

ABSTRACT OF THE DISCLOSURE

An integrated circuit device is adapted for use in a computer system that includes a processing unit, a host bus connected to the processing unit, an input/output bus, a peripheral device connected to the input/output bus, a monitor, and a system memory. The integrated circuit device includes a core controller adapted to be connected to the host bus, a bus bridge connected to the core controller and adapted to be connected to the input/output bus, a graphical controller connected to the core controller and the bus bridge and adapted to be connected to the monitor, and a unified memory control unit connected to the core controller and the graphical controller and adapted to be connected to the system memory.